

ANNUAL REPORT


OF THE

Medical Officer of Health,

1914.

BURY :

TRIMBLE & BURTON, PRINTERS, 10 ROCK STREET.



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MEDICAL OFFICER'S REPORT

For 1914.

POPULATION AT CENSUS, 1911	-	-	-	9,043
ESTIMATED POPULATION AT MIDDLE OF 1914				9,330
AREA OF DISTRICT IN STATUTE ACRES			-	12,014

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

In submitting my Report on the Health and Sanitary condition of the District for the year 1914 I should like to take the opportunity to express my thanks to you for your consideration in allowing me leave of absence from my work, to a very considerable extent, since the outbreak of the war last August, so that I could attend to my Military duties. This has put a great deal more work upon the shoulders of Mr. Hurst, the Sanitary Inspector, and I am deeply grateful to him for the efficient way he has carried it out. I am also much indebted to Dr. Buckley, Medical Officer of Health for the County Borough of Bury, for the advice and assistance he has given to Mr. Hurst on several occasions during my absence.

I regret I have been unable to present my Report at an earlier date.

The Rural District of Bury is a wide and scattered one, being composed of all that part of the Bury Union which is not Urban. It lies at an altitude varying from 125 feet above sea level at Molyneux to 1500 feet at Whittle Pike, Shuttleworth.

The Rainfall.—I am indebted to Dr. Buckley for the following particulars. The total rainfall for the year was 45·8 inches, compared with 38·80 in 1913. The greatest rainfall occurred in the month of December and was 6·49 inches, but nearly 6 inches also fell in March and in November. The month of June had the lowest rainfall when 1·56 inches were registered. An appreciable amount of rain fell on 212 days, compared with 209 days in 1913, and 217 days in 1912. The largest quantity of rain on one day fell on October 23rd when 1·26 inches were registered. The rainfall was about the average and was well distributed throughout the year.

The District contains both agricultural and industrial communities. The chief centres of population are in parts of each of the various localities, especially Ainsworth, Bamford, Outwood, and Unsworth, Birtle to a less extent, while Walmersley-cum-Shuttleworth is mainly agricultural. The inhabitants in these centres of population are chiefly employed in textile industries consequently there is a large demand for female labour. There are about 100 Milk Farms in the District. The milk, in addition to supplying the inhabitants, is carried for sale to the various Urban Districts in the neighbourhood.

Birth Rate.—This is practically the same as in 1913. 182 births have been registered, consisting of 86 males and 96 females. This gives a Birth Rate of 19·5 per 1000 persons living compared with 19·6 in 1913. The average birth rate for the previous five years was 20·5 per 1000. 3 illegitimate births were registered during the year, being at the rate of nearly 1·1 per cent. of the total births.

Crude Death Rate.—The total number of deaths registered in the district was 134, of which 71 were males and 55 were females, giving a crude Death Rate of 14·3 per 1000 persons living, compared with 10·8 in 1913.

Corrected Death Rate.—Of these 134 deaths 28 have been transferred to other districts, and 20 other deaths registered elsewhere, of persons usually resident in this district, have been transferred here, making altogether 126 deaths of residents. This gives a Death Rate of 13·5 per 1000 persons living which is nearly 1·5 per 1000 higher than in 1913. The average Death Rate for the previous 5 years was 12·3 per 1000.

The following Table shows the particulars of the various localities :—

Locality	Area in Statute Acres.	Population		Births			Birth rate per 1,000	Deaths		Correctd. death rate per 1,000
		Census 1911	Estimated Middle 1914	Males	Females	Illegitimate		Males	Females	
Ainsworth	1460	1903	1978	19	26	0	22·7	24	14	19·2
Birtle-cum-Bamford	2410	1676	1710	18	13	0	18·1	13	15	16·3
Outwood	1938	2099	2219	30	32	1	27·0	12	14	11·7
Unsworth	3067	2707	2757	14	20	1	12·3	17	11	10·1
Walmersley-cum-Shuttleworth	8139	658	666	5	5	1	15·0	5	1	9·00
Total.....	12014	9043	9330	86	96	3	19·50	71	55	13·5

Infantile Mortality.—There is a considerable increase in the death rate of infants under one year old ; 18 having been registered as against 12 in 1913. Nine of these (50 per cent.) were due to “ Congenital Debility and Malformations, including Premature Birth.” I have no doubt that this large proportion is owing to the baneful influence of pregnant women working to within a few day of their confinement. Diseases of the Gastro-intestinal tract have caused no deaths in children under one year old. Bronchitis and Broncho-pneumonia have each been the cause of 3 deaths. The ages at which these deaths occurred were 4 during the first week, and 2 during the second week of life, 5

of these 6 being caused by Premature Birth. There were 3 deaths between one and three months, 4 between six and nine months, and 5 between nine and twelve months.

There were no deaths among illegitimate children under one year old registered during the year.

Mortality under Five years of age.—19 out of the total number of deaths occurred among children under 5 years old. This is at the rate of 15 per cent. of the total deaths, compared with 17·2 per cent. in 1913.

Mortality over Sixty-five years of age.—The deaths of 40 persons over 65 years of age were registered during the year, giving a rate of 31·7 per cent. of the total deaths, compared with 30·6 per cent. in 1913.

Zymotic Death Rate.—There have been 3 deaths from Diphtheria and 3 deaths from Diarrhoea and Enteritis during the year. This gives a rate of ·64 per 1000 persons living or 4·7 per cent. of the total deaths compared with 6·3 per cent. in 1913.

Tubercular Diseases have caused 7 deaths, viz: 6 from Pulmonary Tuberculosis and 1 from Abdominal Tuberculosis. This gives a rate of ·75 per 1000 persons living, or 5·5 per cent. of the total deaths. In 1913 the rate was 9 per cent. of the total deaths.

Cancer and other Malignant Diseases have caused 10 deaths during the year, being at the rate of 1·07 per 1000 persons living, or 7·9 per cent. of the total deaths. In 1913 the rate was 11·7 per cent. of the total deaths.

Diseases of the Respiratory Organs have caused 24 deaths during the year, being at the rate of 2·5 per 1000 persons living and 19 per cent. of the total deaths. In 1913 the rate was 17·1 per cent. of the total deaths.

Notification of Infectious Diseases.—There has been a large increase in the number of infectious diseases notified during

the year compared with 1913 and 1912. 88 cases of the ordinary infectious diseases were notified during the year, compared with 21 in 1913 and 12 in 1912. 71 of this number were cases of Scarlatina, of which 24 occurred in Ainsworth, 12 in Birtle-cum-Bamford, 30 in Outwood and 5 in Unsworth. The disease was particularly prevalent in September, October, and November. Practically all the cases were of a very mild character, and this is probably the reason why the prevalence was so long continued, due to some mild cases not being discovered. With regard to Tuberculosis 15 were notified, in 11 of these the lungs were affected, and in 4, other organs. During the year 43 cases were removed to the Institutions of the Bury and District Joint Hospital Board, of which 6 were suffering from Diphtheria, 28 from Scarlatina, 1 from Enteric Fever, and 8 from Pulmonary Tuberculosis.

The following table shows the distribution of the cases in the various localities :

Locality	Diphtheria	Puerperal	Erysipelas	Scarlet Fever	Enteric Fever	Pulmonary Tuberculosis	Other Tub. Diseases	Total	Infectious Diseases removed to Hospital	Tuberculosis cases removed to Hospital	Per cent. of ordinary Inf. cases to Pop.	Per cent. of Tuberculous cases to Pop.
Ainsworth	1	1	1	24	—	2	—	29	11	1	1·36	·10
Birtle-cum-Bamford	5	—	—	12	—	—	—	17	6	—	·99	—
Outwood.....	—	—	3	30	2	3	—	38	15	—	1·13	·13
Unsworth	2	—	—	5	—	5	3	15	3	5	·25	·29
Walmersley-cum-Shuttleworth	1	—	—	—	1	1	1	4	1	1	·30	·30
Total.....	9	1	4	71	3	11	4	103	36	7	·94	·16

Water Supply.—Nearly all the district is served by Water Boards which provide a constant supply. Most of the farms and some of the outlying parts of the district have private supplies. The Authorities that provide the water are the Bury and District Joint Water Board, the Heywood and Middleton Water Board, and the Bolton Corporation. The quality of the water is good and the quantity satisfactory.

Pollution of Rivers is under the control of the Mersey and Irwell Joint Committee.

Drainage and Sewage Disposal Works.—Works for the treatment of Sewage are in operation at Prestolee, Ringley, Outwood, Parrs, Croft Lane, Bamford, and Bradley Fold. They consist of settling tanks and bacteria beds, and in the case of Croft Lane some land filtration in addition. The works at Prestolee are still somewhat overtaxed and a scheme has been devised and the Council's Engineer has seen the Local Government Board thereon, but owing to the war this has been postponed on account of the inability to borrow money. Arrangements have also been come to with the Urban District of Radcliffe for the treatment of the sewage from Black Lane and Starling Road, but for the same reason this has also been postponed.

Every opportunity is taken to procure the conversion of privy middens to water closets, and with regard to new houses water closets are always insisted on. 21 privy middens have been converted into fresh water closets during the year. The numbers approximately in the district now, are privy middens 880, pail closets 80, fresh water closets 510, and waste water closets 50.

Special attention has been paid to the condition of the privy middens and the general scavenging arrangements are being satisfactorily carried out.

Farm Dairies and Cowsheds.—The general sanitary condition is satisfactory. Greater cleanliness in the immediate neighbourhood of the shippens is desirable, and manure heaps should be kept further away from them. Collections of manure are the breeding places of flies which are frequently the means of conveying disease to food. There are just over a hundred purveyors of milk in the district. Practically no milk is stored, but is conveyed directly to the customers from the shippon.

Elementary Schools.—There are seven elementary schools situated in the district, viz: at Ainsworth, Buckhurst, Hollins, Prestolee, Ringley, Turn, and Unsworth. They have been periodically inspected and where there has been any outbreak of infectious disease opportunity has been taken to have the building fumigated and thoroughly cleaned. The sanitary condition and ventilation are satisfactory. The water supply is good, all being served by Water Boards except Buckhurst and Turn, and each of these have a good private supply. The closet accommodation is ample, but most of them have privy middens. It is very desirable that these should be done away with at once and more modern methods adopted.

When a case of infectious disease occurs among the scholars attending any school, notice is sent to the managers so that any other pupils living in an infected house are prevented from attending school. The medical inspection of the scholars is entirely in the hands of the County Council.

Housing and Town Planning Act.—Mr. Hurst, as Inspector under this Act, is carrying out the inspection of the houses in the district. He reports that they are in good condition on the whole, and that there is ample accommodation for the population. There are very few houses without through ventilation and the great majority have plenty of yard accommodation. All new houses are built in accordance with Byelaws. Plans are submitted to the Council and all houses are inspected before they are tenanted. 126 houses have been inspected during the year, 7 of these have been demolished, 60 are now in good condition and in the remaining 59 improvements are being carried out. No closing orders have been made.

Factory and Workshops Act.—The usual inspections have been made, and the premises have been found in a sanitary condition in almost every instance. Complaints have been received about the closet accommodation at the Irwell Bank Mill, Prestolee. These would have been put on the water carriage system but for the difficulty of treating the sewage at the sewage

works. The matter is still under consideration and will doubtless be satisfactorily dealt with shortly. There are 34 Factories and 20 Workshops in the district. They are situated in the various localities as follows :—

Locality.	Ainsworth	Birtle-cum-Bamford	Outwood	Unsworth	Walmersley-cum-Shuttleworth	Total
Factories	11	5	4	10	4	34
Workshops	6	5	1	7	1	20
Total	17	10	5	17	5	54

The factories consist of 3 cotton spinning mills, 6 cotton weaving sheds, 1 woollen mill, 2 fulling mills, 6 dyeworks, 1 calico print works, 6 bleach works, 2 wheelwright's shops, 1 joiners' shop, 1 engineer's shop, 2 quarries, 1 firelighter's works, 1 spindle and fly maker's works, and 1 paper bag works.

The workshops consist of 2 milliners, 2 barbers, 5 clog makers, 2 undertakers, 1 brewery, 1 tripe-dresser, 3 bakehouses, 1 plumber, and 3 dressmakers.

There are no outworkers in the district.

Appended to this Report are the Annual Report of the Inspector of Nuisances and the various Tables required by the Local Government Board and the Home Office.

I beg to remain, Mr. Chairman and Gentlemen,

Your obedient servant,

JAMES W. COOK, M.B.,

March, 1915.

Medical Officer of Health.

INSPECTOR'S REPORT.

UNION OFFICES,

PARSONS LANE,

BURY.

To the Rural District Council of Bury.

MR. CHAIRMAN AND GENTLEMEN,

I beg to lay before you my Annual Report for the year ending December 31st, 1914.

Table of Nuisances, &c., from Jan. 1st to Dec. 31st, 1914	Ainsworth	Birtle-cum Bamford	Outwood	Unsworth	Walmersley- cum- Shuttleworth	TOTAL
No. of Journeys made to each District	97	50	105	70	20	342
„ Visits and Inspections made in each District	270	150	309	240	76	1045
„ Notices sent (Legal or Preliminary).....	30	20	30	20	6	106
„ Notifications received and reported upon to the M. O. H. (Tuberculosis included) ..	29	17	38	15	4	103
„ Rooms disinfected & cleansed (schools included)	60	41	90	40	10	241
„ Dairies and cowsheds inspected	26	36	19	26	15	122
„ Dairies, Cowkeepers, & Purveyors of milk reg.	20	30	9	26	15	100
„ Houses inspected under the Housing and Town Planning Act, 1909 ..	30	20	38	30	8	126
„ „ with sanitary imprvments. carried out	10	10	8	16	4	48
„ „ „ „ being carried out	17	10	20	10	2	59
„ „ demolished	3	—	—	4	—	7
„ „ built during the year.....	20	8	12	4	—	44
„ „ connected to new mains (new houses included)	16	—	38	4	—	58
„ „ provided with New Spouting and re- flagged yards, and new closets ..	16	4	16	16	4	56
„ Privy closets, converted to F.W.C.....	1	4	16	—	—	21
„ Other Nuisances dealt with	12	18	20	14	6	70
„ Nuisances abated	45	26	90	34	10	205
„ „ receiving attention	18	30	30	32	14	124
„ „ found, including connections to sewer	63	56	120	66	24	329

Dairies and Cowsheds.

Leaflets describing the symptoms of Foot and Mouth Disease have been distributed among the farmers and pig keepers in the various districts, and judging from my periodical inspections I find the Cowkeepers and Dairymen are endeavouring to carry out the Council's regulations in providing a clean and wholesome milk supply. One notification under the Tuberculosis Order, 1914, was received and the milk cow suffering from tuberculous emaciation was destroyed. Four fresh cowkeepers and purveyors of milk have been registered, and improvements have been made to farm buildings in light, ventilation, and air space, as well as good water supply to several farmsteads.

Factories and Workshops.

Important improvements and extensions have been made to Dye Works, Bleach Works, and Calico Print Works, and mechanical stokers have been erected which have reduced the emission of black smoke from one of the mill chimneys. The complaint made by His Majesty's Inspector of Factories was brought before my Council and is receiving attention. The liming and cleaning of the Factories and Workshops have been regularly attended to and are generally kept in a clean condition.

Dwellings.

Forty-four new dwellings have been erected in the various districts so that now there is a good supply of houses and several are unoccupied. Dilapidated dwellings are gradually being put in a sanitary condition, 7 of which were beyond repair have been demolished. During the year 21 privy closets have been converted to fresh water closets and these conversions make along with the new dwellings built) 61 more fresh water closets for the year.

I am, Your obedient servant,

HENRY HURST,

Inspector.

RURAL DISTRICT

Vital Statistics of Whole District

Year	Population estimated to Middle of each Year	Births		Total De registered i Distri
		Number	Rate	Number
1909	8586	184	21·4	106
1910	8676	190	21·9	90
1911	9060	176	19·4	110
1912	9120	185	20·2	104
1913	9230	181	19·6	100
1914	9330	182	19·5	134

Area of District in acres (exclusive of area covered by water)

CIL OF BURY.

g 1914 and previous years.

Transferable Deaths		Nett Deaths belonging to the District			
		Under 1 year of age		At all ages	
		Number	Rate per 1,000 Nett births	Number	Rate
	of Resi- dents not registered in the District				
	—	14	76·08	114	13·2
	12	21	110·5	102	11·7
	14	21	119·3	117	12·9
	8	18	97·2	110	12·05
	14	12	66·3	111	12·02
	20	18	98·9	126	13·5

Total population at all ages,	9043	} At Census of 1911
Number of inhabited houses,	2012	
Average number of persons per house,	4·3	

RURAL DISTRICT

Cases of Infectious Disease

Notifiable Disease	At all ages	Number of cases At ages †—Year			
		Under 1	1 to 5	5 to 15	15 and over
Small-pox					
Cholera					
Diphtheria, including Membranous croup ...	9	1	4	4	
Erysipelas	4				
Scarlet fever	71	1	24	45	1
Typhus fever					
Enteric fever	2			1	
Relapsing fever ...	1				
Puerperal fever ...	1				
Pulmonary Tuberculosis	11			2	8
Other forms of Tuberculosis ...	4		2	1	
Totals	103	2	30	53	4

Isolation Hospital: Joint Board, Florence Nightingale, Deardens, Bury
 „ Smallpox Hospital, Birtle, Heywood
 „ Phthisis Sanatorium, Holcombe, and Broom

NCIL OF BURY.

ed during the year 1914.

45 and upwards	Total cases notified in each Locality					Total cases removed to Hospital
	Ainsworth.	Birtle-cum- Bamford.	Outwood.	Unsworth.	Walmersley cum- Shuttlewrth	
	1	5		2	1	6
2	1		3			
	24	12	30	5		28
1			2		1	1
	1					
3	2		3	5	1	8
1				3	1	
7	29	17	38	15	4	43

Total available beds 96 estimated.

h " " 35
 " " 100

TABLE III.

RURAL DISTRICT COUNCIL OF BURY.

Causes of, and Ages at Death, during the year 1914.

Causes of Death	All Ages	Nett Deaths at the subjoined ages of residents whether occurring within or without the District							Total Deaths whether of residents or nonresidents in Institutions in the District
		Under 1	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards
All causes, { certified .. { uncertified	126	18		1	9	7	18	33	40
Enteric Fever ..									
Small-pox ..									
Measles ..									
Scarlet fever ..									
Whooping-cough ..									
Diphtheria and croup..	3				3				
Influenza ..									
Erysipelas ..									
PhthisisPul.Tuberculosis	6					2	4		
Tuberculous Meningitis									
Other tuberculous dis...	1								

[illegible]

TABLE IV.

RURAL DISTRICT COUNCIL OF BURY.

INFANT MORTALITY. 1914.

Nett Deaths from stated causes at various ages under 1 year of age.

Cause of Death			under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	1-3 months	3-6 months	6-9 months	9-12 months	Total deaths under 1 year
All causes certified	..	..	4	2			6	3		4	5	18
{ Small-pox	...	...								
{ Chicken-pox	...	...								
{ Measles	...	...								
{ Scarlet Fever	...	...								
{ Whooping Cough	...	...								
{ Diphtheria	...	...								
{ Erysipelas	...	...								
{ Tuberculous Meningitis	...	...								
{ Abdominal Tuberculous	...	...									1	1
{ Other Tuberculous Diseases												
{ Meningitis	...	...								
{ Convulsions	...	...	1				1					1
{ Laryngitis	...	...								
{ Bronchitis	...	...						1		1	1	3
{ Pneumonia	...	...								1	2	3
{ Diarrhœa	...	...								
{ Enteritis	...	...								
{ Gastritis	...	...								
{ Syphilis	...	...								
{ Rickets	...	...								
{ Suffocation, overlying	...	...								
{ Injury at Birth	...	...								
{ Atelectasis	...	...								
{ Congenital Malformations	...	...						1				1
{ Premature Birth	...	...	3	2			5					5
{ Atrophy, Debility, Marasmus								1		1	1	3
{ Other Causes	...	...								1		1
			4	2			6	3		4	5	18

Nett Births in the year : Legitimate 176, Illegitimate 6.

Nett Deaths in the year : Legitimate Infants 18, Illegitimate —

In recording the facts under the various headings of Tables I, II, III, & IV, attention has been given to the notes on the Tables.

Annual Report of Medical Officer of Health

For the year 1914, for the

RURAL DISTRICT COUNCIL OF BURY,

Factories, Workshops, Workplaces, and Homework.

INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (Including Factory Laundries.) ..	40	8	None
Workshops (Including Workshop Laundries.) ..	36		
Workplaces			
Total	76	8	None

DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions
	Found	Remedied.	Referred to H.M. Inspector	
Nuisances under the Public Health Acts :—				
Want of cleanliness	6	6		
Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other nuisances	2	2		
Sanitary accommodations {				
	insufficient			
	unsuitable or defective	2	1	
not separate for sexes				
Offences under the Factory and Workshop Acts :—				
Illegal occupation of underground bakehouse				
Breach of special sanitary requirements for bakehouses				
Other offences				
Total	8	9		

REGISTERED WORKSHOPS.

- 3 Dressmakers
- 2 Milliners
- 2 Barbers
- 5 Clog and Shoe Makers
- 2 Undertakers, &c.
- 1 Brewery
- 1 Tripe Dressers
- 3 Bakehouses
- 1 Plumbers

Total number of workshops on Register 20

OTHER MATTERS.

Matters notified to H.M. Inspectors of Factories :										Number
Failure to affix Abstract of the Factory and Workshops Act..										
Action taken in matters referred by H.M. Inspectors as remediable under the Public Health Acts, but not under the Factory Act (S. 5)										
										1
										1
Other										
Underground Bakehouses :										
Certificates granted during the year										
In use at the end of the year										

JAMES W. COOK, Medical Officer of Health.

May 18th, 1915.

